APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/020,130	12/18/2001	Takashi Mochizuki	Q67762	7342

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EXAMINER
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ART UNIT	PAPER NUMBER
2684	6

DATE MAILED: 05/27/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	10/020,130	MOCHIZUKI, TAKASHI
	Examiner	Art Unit
	Raymond S Dean	2684

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☐ Responsive to communication(s) filed on _____.
2a) ☐ This action is **FINAL**.   2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) <u>1 - 24</u> is/are pending in the application.
    4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) <u>1 - 24</u> is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.
10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    a) ☒ All b) ☐ Some * c) ☐ None of:
       1. ☒ Certified copies of the priority documents have been received.
       2. ☐ Certified copies of the priority documents have been received in Application No. _____.
       3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>5. +3</u>
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 112

1.   The following is a quotation of the second paragraph of 35 U.S.C. 112:

> The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2.   Claims 5 and 10 recite the limitation "the signal obtained by combining the weighted downlink signals". The use of the word "the" in front of "signal" and "weighted" implies that said "signal" and said weighting were recited in Claims 1 and 6. Claims 1 and 6 do not recite these limitations. There is insufficient antecedent basis for this limitation in the claim.

   Claims 16 and 17 recite the limitation "the signal". The use of the word "the" in front of "signal" implies that said "signal" was recited in Claims 11 and 12. Claims 11 and 12 do not recite this limitation. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 102

3.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States

only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4.   Claims 6 – 8,10, 19 – 21, and 24 are rejected under 35 U.S.C. 102(e) as being anticipated by Mohebbi (US 6,603,971 B1).

Regarding Claim 6, Mohebbi teaches a receiving method for demodulating user data in the downlink signal from base stations to a mobile terminal in a mobile communications system, comprising the steps of: during soft handover, sending notification, from the mobile terminal to the base stations, of the ID of the base station that is transmitting the downlink signal with the best downlink reception quality (Figure 5, Column 5 lines 46 – 53, Column 6 lines 44 – 48, Column 13 lines 14 – 43); stopping transmission of user data to the mobile terminal from base stations that do not correspond to the base station ID notified by the mobile terminal (Column 13 lines 14 – 43, the base stations that are not selected will not transmit to the mobile station); estimating, at the mobile terminal, which base stations have a likelihood of transmitting user data (Figure 7, Column 6 lines 63 – 67, Column 7 lines 1 – 2, Column 7 lines 6 – 10, the ranking of the base stations is the estimation of said base stations likelihood of transmitting user data); and using the downlink signal from these base stations that have a likelihood of transmitting user data, to demodulate, at the mobile terminal, said user data (Figure 7, Column 6 lines 63 – 67, Column 7 lines 1 – 2, Column 7 lines 6 – 10, Column 7 lines 11 – 13, the fact that the mobile station receives a traffic channel means that mobile station has the ability to demodulate said traffic).

Regarding Claim 7, Mohebbi teaches all of the claimed limitations recited in Claim 6. Mohebbi further teaches wherein base stations that have a likelihood of transmitting user data are estimated from the estimated uplink reception quality (Column 6 lines 63 – 67, Column 7 lines 1 – 2, Column 9 lines 12 – 15, the base station that experiences the best uplink reception quality can be the highest ranked base station).

Regarding Claim 8, Mohebbi teaches all of the claimed limitations recited in Claim 7. Mohebbi further teaches wherein base stations that are estimated to have a likelihood of transmitting user data are base stations at which the estimated uplink reception quality is not good. (Column 6 lines 63 – 67, Column 7 lines 1 – 2, Column 9 lines 12 – 15, the base station with the lowest ranking can be the base station that experiences a degraded uplink reception quality).

Regarding Claim 10, Mohebbi teaches all of the claimed limitations recited in Claim 6. Mohebbi further teaches wherein the signal obtained by combining the weighted downlink signals from the base stations that have a likelihood of transmitting user data is used for demodulating the user data. (Figure 7, Column 6 lines 63 – 67, Column 7 lines 1 – 2, Column 7 lines 6 – 10, Column 13 lines 29 – 34, the ranking of the base stations is the weighting).

Regarding Claim 19, Mohebbi teaches a mobile terminal for receiving user data in the downlink signal from base stations in a mobile communications system, comprising: base station selecting means for selecting, during soft handover, the base station that is transmitting said downlink signal with the best downlink reception quality

(Figure 5, Column 5 lines 46 – 53, Column 6 lines 44 – 48, Column 13 lines 14 – 43),

and for notifying the base stations of the ID of said base station, so as to cause only the

selected base station to transmit user data (Figure 5, Column 5 lines 46 – 53, Column 6

lines 44 – 48, Column 13 lines 14 – 43); downlink signal weight decision means for

estimating base stations that have a likelihood of transmitting user data (Figure 7,

Column 6 lines 63 – 67, Column 7 lines 1 – 2, Column 7 lines 6 – 10, the ranking of the

base stations is the weighting); and data demodulating means for using downlink

signals from the base stations that have a likelihood of transmitting user data, to

demodulate the user data (Figure 7, Column 6 lines 63 – 67, Column 7 lines 1 – 2,

Column 7 lines 6 – 10, Column 7 lines 11 – 13, the fact that the mobile station receives

a traffic channel means that mobile station has the ability to demodulate said traffic).

Regarding Claim 20, Mohebbi teaches all of the claimed limitations recited in

Claim 19. Mohebbi further teaches wherein said downlink signal weight decision means

estimates, from the estimated uplink reception quality, base stations that have a

likelihood of transmitting user data (Column 6 lines 63 – 67, Column 7 lines 1 – 2,

Column 9 lines 12 – 15, the base station that experiences the best uplink reception

quality can be the highest ranked base station).

Regarding Claim 21, Mohebbi teaches all of the claimed limitations recited in

Claim 20. Mohebbi further teaches wherein a base station that said downlink signal

weight decision means estimates as having a likelihood of transmitting user data is a

base station at which said estimated uplink reception quality is not good (Column 6 lines

63 – 67, Column 7 lines 1 – 2, Column 9 lines 12 – 15, the base station with the lowest

ranking can be the base station that experiences a degraded uplink reception quality).

Regarding Claim 24, Mohebbi teaches all of the claimed limitations recited in

Claim 19. Mohebbi further teaches wherein said data demodulating means uses the

signal obtained by combining the weighted downlink signals from said estimated base

stations to demodulate the user data (Figure 7, Column 6 lines 63 – 67, Column 7 lines

1 – 2, Column 7 lines 6 – 10, Column 7 lines 11 – 13, the fact that the mobile station

receives a traffic channel means that said mobile station has the ability to demodulate

said traffic).

Claim Rejections - 35 USC § 103

5.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

6.   Claims 1 – 5, 9, 11 – 18, 20, and 22 - 23 are rejected under 35 U.S.C. 103(a) as

being unpatentable over Mohebbi (US 6,603,971 B1) in view of Kamel (US 6,628,958

B1).

Regarding Claim 1, Mohebbi teaches during soft handover, sending notification,

from said mobile terminal to said base stations, of the ID of the base station that is

transmitting said downlink signal with the best downlink reception quality (Figure 5,

Column 5 lines 46 – 53, Column 6 lines 44 – 48, Column 13 lines 14 – 43); stopping transmission of user data to the mobile terminal from base stations that do not correspond to the base station ID notified by the mobile terminal (Column 13 lines 14 – 43, the base stations that are not selected will not transmit to the mobile station); estimating, at the mobile terminal, which base stations have a likelihood of transmitting user data (Figure 7, Column 6 lines 63 – 67, Column 7 lines 1 – 2, Column 7 lines 6 – 10, the ranking of the base stations is the estimation of said base stations likelihood of transmitting user data).

Mohebbi does not teach a transmission power control method for controlling the transmission power of downlink signals from base stations to a mobile terminal in a mobile communications system, using the downlink signals from these base stations that have a likelihood of transmitting user data, to decide, at the mobile terminal, whether the transmission power of these base stations is excessive or insufficient; sending information, from the mobile terminal to these base stations, relating to excess or deficiency of their transmission power; and increasing or decreasing the transmission power of these base stations in accordance with this information from the mobile terminal relating to excess or deficiency of their transmission power.

Kamel teaches a transmission power control method for controlling the transmission power of downlink signals from base stations to a mobile terminal in a mobile communications system (Column 6 lines 26 – 37), deciding at the mobile terminal, whether the transmission power of these base stations is excessive or insufficient; sending information, from the mobile terminal to these base stations,

relating to excess or deficiency of their transmission power (Column 6 lines 26 – 37);

and increasing or decreasing the transmission power of these base stations in

accordance with this information from the mobile terminal relating to excess or

deficiency of their transmission power (Column 6 lines 26 – 37).

Mohebbi and Kamel both teach a CDMA system that uses soft handoff thus it

would have been obvious to one of ordinary skill in the art at the time the invention was

made to use the transmission power control method taught in Kamel in the CDMA

system of Mohebbi for the purpose of varying the power output of the base station to

maintain a constant frame error rate at the mobile station.

Regarding Claim 2, Mohebbi in view of Kamel teaches all of the claimed

limitations recited in Claim 1. Mohebbi further teaches wherein the base stations that

have a likelihood of transmitting user data are estimated from the estimated uplink

reception quality (Column 6 lines 63 – 67, Column 7 lines 1 – 2, Column 9 lines 12 – 15,

the base station that experiences the best uplink reception quality can be the highest

ranked base station).

Regarding Claim 3, Mohebbi teaches all of the claimed limitations recited in

Claim 2. Mohebbi further teaches wherein base stations that are estimated to have a

likelihood of transmitting user data are base stations at which said estimated uplink

reception quality is not good (Column 6 lines 63 – 67, Column 7 lines 1 – 2, Column 9

lines 12 – 15, the base station with the lowest ranking can be the base station that

experiences a degraded uplink reception quality).

Regarding Claim 4, Mohebbi teaches all of the claimed limitations recited in Claim 2. Kamel further teaches wherein the estimated uplink reception quality is calculated from the correlation between the increase or decrease in transmission power instructed by the transmission power control, and the increase or decrease in the power of the downlink signal received from a base station (Column 6 lines 26 – 37, the base station that experiences the best uplink reception quality can be the base station selected to lower it's transmission power).

Regarding Claim 5, Mohebbi in view of Kamel teaches all of the claimed limitations recited in Claim 1. Mohebbi further teaches wherein the signal obtained by combining the weighted downlink signals from the base stations that have a likelihood of transmitting user data is used for deciding whether the transmission power of the base stations is excessive or insufficient (Figure 7, Column 6 lines 63 – 67, Column 7 lines 1 – 2, Column 7 lines 6 – 10, Column 13 lines 29 – 34, the ranking of the base stations is the weighting).

Regarding Claim 9, Mohebbi teaches all of the claimed limitations recited in Claim 7. Mohebbi does not teach wherein the estimated uplink reception quality is calculated from the correlation between the increase or decrease in transmission power instructed by the transmission power control, and the increase or decrease in the power of the downlink signal received from a base station.

Kamel teaches wherein the estimated uplink reception quality is calculated from the correlation between the increase or decrease in transmission power instructed by the transmission power control, and the increase or decrease in the power of the

downlink signal received from a base station (Column 6 lines 26 – 37, the base station that experiences the best uplink reception quality can be the base station selected to lower it's transmission power).

Mohebbi and Kamel both teach a CDMA system that uses soft handoff thus it would have been obvious to one of ordinary skill in the art at the time the invention was made to use the transmission power control method taught in Kamel in the CDMA system of Mohebbi for the purpose of varying the power output of the base station to maintain a constant frame error rate at the mobile station.

Regarding Claim 11, Mohebbi teaches a plurality of base stations, whereof a base station: a) transmits user data when the base station ID that said base station has received as a notification corresponds to its own ID (Column 5 lines 46 – 53, Column 13 lines 14 – 43; b) stops transmitting user data when said base station ID does not correspond to its own ID (Column 13 lines 14 – 43, the base stations that are not selected will not transmit to the mobile station); at least one mobile terminal which, during soft handover: i) notifies said base stations of the ID of the base station that is transmitting the downlink signal with the best downlink reception quality (Figure 5, Column 5 lines 46 – 53, Column 6 lines 44 – 48, Column 13 lines 14 – 43); ii) estimates which base stations have a likelihood of transmitting said user data (Figure 7, Column 6 lines 63 – 67, Column 7 lines 1 – 2, Column 7 lines 6 – 10, the ranking of the base stations is the estimation of said base stations likelihood of transmitting user data);

Mohebbi does not teach a mobile communications system in which the transmission power of the downlink signal is controlled, increasing or decreasing

transmission power in accordance with notified information regarding excess or

deficiency of its transmission power, using the downlink signals from the base stations

so estimated to decide whether the transmission power of the base stations is

excessive or insufficient; and sending information to the base stations informing them

that their transmission power is excessive or insufficient.

Kamel teaches a mobile communications system in which the transmission

power of the downlink signal is controlled, increasing or decreasing transmission power

in accordance with notified information regarding excess or deficiency of its

transmission power (Column 6 lines 26 – 37), using the downlink signals from the base

stations so estimated to decide whether the transmission power of the base stations is

excessive or insufficient; and sending information to the base stations informing them

that their transmission power is excessive or insufficient (Column 6 lines 26 – 37).

Mohebbi and Kamel both teach a CDMA system that uses soft handoff thus it

would have been obvious to one of ordinary skill in the art at the time the invention was

made to use the transmission power control method taught in Kamel in the CDMA

system of Mohebbi for the purpose of varying the power output of the base station to

maintain a constant frame error rate at the mobile station.

Regarding Claim 12, Mohebbi teaches a plurality of base stations, whereof a

base station: a) transmits user data when the base station ID that said base station has

received as a notification corresponds to its own ID (Column 5 lines 46 – 53, Column 13

lines 14 – 43; b) stops transmitting user data when said base station ID does not

correspond to its own ID (Column 13 lines 14 – 43, the base stations that are not

selected will not transmit to the mobile station); at least one mobile terminal which, during soft handover: i) notifies said base stations of the ID of the base station that is transmitting the downlink signal with the best downlink reception quality (Figure 5, Column 5 lines 46 – 53, Column 6 lines 44 – 48, Column 13 lines 14 – 43); ii) estimates which base stations have a likelihood of transmitting said user data (Figure 7, Column 6 lines 63 – 67, Column 7 lines 1 – 2, Column 7 lines 6 – 10, the ranking of the base stations is the estimation of said base stations likelihood of transmitting user data); and iii) uses the downlink signals from the base stations so estimated to demodulate said user data (Figure 7, Column 6 lines 63 – 67, Column 7 lines 1 – 2, Column 7 lines 6 – 10, Column 7 lines 11 – 13, the fact that the mobile station receives a traffic channel means that mobile station has the ability to demodulate said traffic).

Mohebbi does not teach a mobile communications system in which the transmission power of the downlink signal is controlled.

Kamel teaches a mobile communications system in which the transmission power of the downlink signal is controlled (Column 6 lines 26 – 37).

Mohebbi and Kamel both teach a CDMA system that uses soft handoff thus it would have been obvious to one of ordinary skill in the art at the time the invention was made to use the transmission power control method taught in Kamel in the CDMA system of Mohebbi for the purpose of varying the power output of the base station to maintain a constant frame error rate at the mobile station.

Regarding Claim 13, Mohebbi in view of Kamel teaches all of the claimed limitations recited in Claim 11. Mohebbi further teaches wherein said mobile terminal

estimates, from the estimated uplink reception quality, base stations that have a

likelihood of transmitting user data (Column 6 lines 63 – 67, Column 7 lines 1 – 2,

Column 9 lines 12 – 15, the base station that experiences the best uplink reception

quality can be the highest ranked base station).

Regarding Claim 13, Mohebbi in view of Kamel teaches all of the claimed

limitations recited in Claim 12. Mohebbi further teaches wherein said mobile terminal

estimates, from the estimated uplink reception quality, base stations that have a

likelihood of transmitting user data (Column 6 lines 63 – 67, Column 7 lines 1 – 2,

Column 9 lines 12 – 15, the base station that experiences the best uplink reception

quality can be the highest ranked base station).

Regarding Claim 14, Mohebbi teaches all of the claimed limitations recited in

Claim 13. Mohebbi further teaches wherein a base station which the mobile terminal

estimates to have a likelihood of transmitting user data is a base station at which said

estimated uplink reception quality is not good (Column 6 lines 63 – 67, Column 7 lines 1

– 2, Column 9 lines 12 – 15, the base station with the lowest ranking can be the base

station that experiences a degraded uplink reception quality).

Regarding Claim 15, Mohebbi teaches all of the claimed limitations recited in

Claim 13. Kamel further teaches wherein the mobile terminal calculates the estimated

uplink reception quality from the correlation between the increase or decrease in

transmission power instructed by the transmission power control, and the increase or

decrease in the power of the downlink signal received from a base station (Column 6

lines 26 – 37, the base station that experiences the best uplink reception quality can be the base station selected to lower it's transmission power).

Regarding Claim 16, Mohebbi in view of Kamel teaches all of the claimed limitations recited in Claim 11. Mohebbi further teaches wherein the mobile terminal uses the signal obtained by combining weighted downlink signals from said estimated base stations, to decide whether the transmission power of the base stations is excessive or insufficient (Figure 7, Column 6 lines 63 – 67, Column 7 lines 1 – 2, Column 7 lines 6 – 10, Column 13 lines 29 – 34, the ranking of the base stations is the weighting).

Regarding Claim 17, Mohebbi in view of Kamel teaches all of the claimed limitations recited in Claim 12. Mohebbi further teaches wherein the mobile terminal uses the signal obtained by combining weighted downlink signals from said estimated base stations, to demodulate the user data (Figure 7, Column 6 lines 63 – 67, Column 7 lines 1 – 2, Column 7 lines 6 – 10, Column 13 lines 29 – 34, the ranking of the base stations is the weighting).

Regarding Claim 18, Mohebbi teaches a base station selecting means for selecting, during soft handover, the base station that is transmitting said downlink signal with the best downlink reception quality (Figure 5, Column 5 lines 46 – 53, Column 6 lines 44 – 48, Column 13 lines 14 – 43), and for notifying the base stations of the ID of said base station, so as to cause only the selected base station to transmit user data (Figure 5, Column 5 lines 46 – 53, Column 6 lines 44 – 48, Column 13 lines 14 – 43); downlink signal weight decision means for estimating base stations that have a

likelihood of transmitting user data (Figure 7, Column 6 lines 63 – 67, Column 7 lines 1

– 2, Column 7 lines 6 – 10, the ranking of the base stations is the weighting);

Mohebbi does not teach a mobile terminal that controls the transmission power

of the downlink signals from base stations in a mobile communications system, a

downlink TPC command decision means for using the downlink signals from base

stations that have a likelihood of transmitting user data, to decide whether the

transmission power of these base stations is excessive or insufficient, and to instruct an

increase or decrease of said transmission power.

Kamel teaches a mobile terminal that controls the transmission power of the

downlink signals from base stations in a mobile communications system (Column 6

lines 26 – 37), a downlink TPC command decision means for using the downlink signals

from base stations that have a likelihood of transmitting user data, to decide whether the

transmission power of these base stations is excessive or insufficient, and to instruct an

increase or decrease of said transmission power (Column 6 lines 26 – 37).

Mohebbi and Kamel both teach a CDMA system that uses soft handoff thus it

would have been obvious to one of ordinary skill in the art at the time the invention was

made to use the transmission power control method taught in Kamel in the CDMA

system of Mohebbi for the purpose of varying the power output of the base station to

maintain a constant frame error rate at the mobile station.

Regarding Claim 20, Mohebbi in view of Kamel teaches all of the claimed

limitations recited in Claim 18. Mohebbi further teaches wherein said downlink signal

weight decision means estimates, from the estimated uplink reception quality, base

stations that have a likelihood of transmitting user data (Column 6 lines 63 – 67, Column

7 lines 1 – 2, Column 9 lines 12 – 15, the base station that experiences the best uplink

reception quality can be the highest ranked base station).

Regarding Claim 22, Mohebbi teaches all of the claimed limitations recited in

Claim 20. Mohebbi does not teach wherein the downlink signal weight decision means

calculates the estimated uplink reception quality from the correlation between the

increase or decrease in transmission power instructed by the transmission power

control, and the increase or decrease in the power of the downlink signal received from

a base station.

Kamel teaches wherein the estimated uplink reception quality is calculated from

the correlation between the increase or decrease in transmission power instructed by

the transmission power control, and the increase or decrease in the power of the

downlink signal received from a base station (Column 6 lines 26 – 37, the base station

that experiences the best uplink reception quality can be the base station selected to

lower it's transmission power).

Mohebbi and Kamel both teach a CDMA system that uses soft handoff thus it

would have been obvious to one of ordinary skill in the art at the time the invention was

made to use the transmission power control method taught in Kamel in the CDMA

system of Mohebbi for the purpose of varying the power output of the base station to

maintain a constant frame error rate at the mobile station.

Regarding Claim 23, Mohebbi in view of Kamel teaches all of the claimed

limitations recited in Claim 18. Mohebbi further teaches using the signal obtained by

combining the weighted downlink signals from said estimated base stations to decided whether the transmission power of the base stations is excessive or insufficient (Figure 7, Column 6 lines 63 – 67, Column 7 lines 1 – 2, Column 7 lines 6 – 10, Column 13 lines 29 – 34, the ranking of the base stations is the weighting).

Conclusion

7.   Any inquiry concerning this communication should be directed to Raymond S. Dean at telephone number (703) 305-8998.
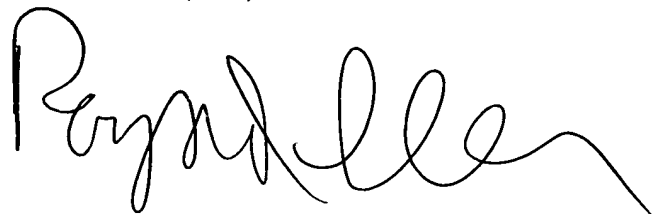
If attempts to reach examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung, can be reached at (703) 308-7745. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

Or faxed to:

(703) 872-9314 (for Technology center 2600 only)

Hand – delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist). Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

NAY MAUNG
SUPERVISORY PATENT EXAMINER